APPENDIX G GUNNER'S PERFORMANCE TEST

The trainer sets up the equipment mentioned in the conditions statement, and provides the student with information IAW the evaluation preparation. This appendix lists tasks, conditions, and standards for the gunner's performance test.

G-1. EVALUATION PREPARATION

The trainer tells each student that he will be required to perform without error all the actions to complete each task being tested.

G-2. TEST ADMINISTRATION

The trainer administers the tests and completes a scorecard for each student.

- a. Destroy or recycle any copies of the 1990 edition of DA Form 4242-1-R, Dragon Performance Scorecard--they are obsolete. Copy the new, blank, reproducible DA Form 4242-1-R from the back of this manual onto 8 1/2 by 11-inch paper. Soon after the publication of this manual, those with Internet access should be able to download an electronic copy of the revised blank DA Form 4242-1-R from the USAPA web site. Figure G-1 shows an example of the completed form. Instructions for completing it follow:
 - (1) LAST NAME. Write student's last name.
 - (2) **FIRST NAME**. Write student's first name.
 - (3) MI. Write student's middle initial.
 - (4) SSN. Write student's social security number.
 - (5) **RANK**. Write student's rank.
 - (6) UNIT. Write student's unit.
- (7) **TEST DATE**. For student's first test, mark the GO or NO-GO column for the appropriate training objective.
- (8) **RETEST DATES**. For student's second and third tests, mark the GO or NO-GO column for the appropriate training objective.
 - (9) **REMARKS**. Write your comments about the student's performance.
 - (10) **QUALIFIED**. Check this column when the student qualifies.
- (11) **UNQUALIFIED**. Check this column if the student fails to qualify on the first test or either retest. If the student gets three checks in this column, he fails to qualify on the weapon.
 - (12) **INSTRUCTOR'S SIGNATURE**. Sign here for each test that you score.
 - b. Record results on the Dragon scorecard.
 - c. Provide added training on each task failed, and retest each failed task twice.
 - d. Eliminate students who fail any task after three tries.
 - e. Substitute an FHT wherever a task states to use a round.

G-3. TRAINING OBJECTIVES

Training objectives begin on the page that follows Figure G-1.

- a. Training Objective 1, Maintain the M47 Medium Antitank Weapon, page G-3.
- b. Training Objective 2, Prepare the M47 for Firing, page G-5.
- c. Training Objective 3, Restore the M47 to Carrying Configuration, page G-6.
- d. Training Objective 4, Demonstrate Correct Firing Positions, page G-7.
- e. Training Objective 5, Determine If Targets Are Engageable, page G-8.
- f. Training Objective 6, Perform Immediate-Action Procedures, page G-9.
- g. Training Objective 7, Prepare an Antiarmor Range Card, page G-11.
- h. Training Objective 8, Identify the Six Major Components of an M47 Fighting Position, page G-12.
 - I. Training Objective 9, Identify Armored Vehicles, page G-13.
 - j. Training Objective 10, Explain Emergency Destruction Procedures, page G-14.
 - k. Training Objective 11, Explain Emergency Decontamination Procedures, page G-15.

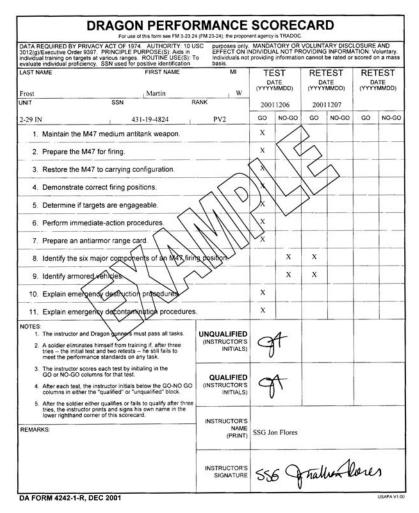


Figure G-1. Example completed DA Form 4242-1-R, Dragon Performance Scorecard.

TRAINING OBJECTIVE 1 MAINTAIN THE M47 MEDIUM ANTITANK WEAPON

Conditions. Given Dragon sights and a round of ammunition.

Standards. Conduct a complete preoperational check of the Dragon sights and a round of ammunition.

Evaluation Preparation.

Brief student: "When I say 'Begin,' you are to conduct a preoperational check of the Dragon sights and a round of ammunition. Do you have any questions?"

Answer the student's questions. If the student still does not understand, say, "Do the best you can."

Instructor's Note. Because the daysight and nightsight have several parts in common, the student may mention these parts on only one or the other. If he mentions it on either, give him a "GO."

WARNING

Never perform a preoperational check on a Dragon sight while you still have it mated to a round of ammunition.

Performance Measures	GO	NO-GO	NO-GO	NO-GO
 Daysight. a. Pushed safety plunger. b. Squeezed trigger lever bar. c. Ensured safety was functional and trigger clicked. 				
2. Guide pins . Looked for the guide pins, ensured there were four of them present, and ensured they were tight.				
 3. Connector. a. Checked connector cover for rubber seals. b. Ensured connector was clean. c. Ensured connector was undamaged. 				
4. Sight housing.a. If connector sustained damage,reported this to supervisor.b. Spot-painted as needed.				
5. Eye guard . Rotated the eye guard.				
6. Nightsight.a. Spot-painted as needed.b. Checked range focus lever.c. Checked for freedom of movement.				

Performance Measures GO NO-GO NO-GO NO-GO 7. **Daysight**. Cleaned the lenses. 8. Actuator switch. a. Rotated the switch to AIR-BATT check. b. Checked the coolant gauge (2,500 PSI). c. Checked the battery monitor on the coolant cartridge. d. Ensured the reticles were illuminated. e. Rotated the actuator switch to the ON position. f. Waited 15 seconds. g. Removed the lens cover. 9. Infrared contrast. Selected an object with infrared a. contrast. b. Adjusted the reticle focus. c. Adjusted brightness. d. Adjusted contrast. e. Adjusted range focus. f. Rotated the actuator switch to the OFF-LOCK position. g. Did not turn the actuator switch to the RELEASE position. h. Replaced the lens cover. 10. Ammunition round. a. Checked the exterior for dirt, oil, and grease. b. Checked the exterior for dents, holes, and punctures. 11. Raceway. Ensured raceway was not damaged.

INSTRUCTOR'S SIGNA	ATURE:		
STUDENT'S INITIALS:	GO		
	NO-GO		
	NO-GO		
	NO-GO		

TRAINING OBJECTIVE 2 PREPARE THE M47 FOR FIRING

Conditions. Given a Dragon sight in the carrying bag and a round of ammunition in the carrying configuration.

Standards. Mate the sight to the round of ammunition IAW the performance measures described herein.

Evaluation Preparation.

Brief student. "When I say 'Begin,' you are to prepare the Dragon for firing by mating the sight to the round of ammunition. Do you have any questions?"

Answer the student's questions. If the student still does not understand, say, "Do the best you can."

GONO-GO NO-GO NO-GO **Performance Measures** 1. Prepared the round. a. Unsnapped bipod-retaining strap. b. Lowered bipod to vertical-lock position. (Shook bipod and ensured it was locked.) c. Depressed friction lock and extended legs about halfway down. d. Removed the electrical connector cover from the round. 2. Prepared the daysight. a. Removed the sight properly. b. Removed electrical connector cover. c Checked lenses 3. Mated the sight to the round. a. Aligned the guide pins with the sight support assembly and locked the sight in place. (Shook sight to ensure it was locked.)

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INSTRUCTOR'S SIGNA	TURE:		
STUDENT'S INITIALS:	GO		
	NO-GO		
	NO-GO		
	NO-GO		

b. Leveled sight picture. (Adjusted the bipod friction lock and the adjusted the foot.)

TRAINING OBJECTIVE 3 RESTORE THE M47 TO CARRYING CONFIGURATION

Conditions. Given a Dragon sight, carrying bag, and round of ammunition.

Standards. Properly return the sight and round to the carrying configuration without damaging the equipment.

Evaluation Preparation.

Brief student. "When I say 'begin,' you will restore the Dragon to the carrying configuration. Do you have any questions?"

Answer the student's questions. If the student still does not understand, say, "Do the best you can."

Performance Measures 1. Removed and stored the sight. a. Released the spring clip. b. Removed from support assembly. c. Removed the sight. d. Replaced the lens cover. e. Replaced electrical cover. f. Placed sight in the carrying bag. 2. Restored the round of ammunition. a. Replaced the bipod legs. c. Replaced the shock absorber. d. Secured legs to the round.

INSTRUCTOR'S SIGNA	TURE:		
STUDENT'S INITIALS:	GO		
	NO-GO		
	NO-GO		
	NO-GO		

TRAINING OBJECTIVE 4 DEMONSTRATE CORRECT FIRING POSITIONS

Conditions. Given a Dragon sight already mated to a Dragon round.

Standards. Correctly assume the three correct Dragon firing positions.

Evaluation Preparation.

Brief student. "When I say 'Begin,' you will assume the three firing positions for the Dragon. We will test you on all three. After you assume each correct position, tell me which position it is, and I will inform you if you are a GO or NO-GO for that position. Do you have any questions?"

Answer the student's questions. If the student still does not understand, say, "Do the best you can."

Performance Measures

1. Sitting position.

- a. Sat down, feet on bipod. Pushed legs out.
- b. Leaned forward and placed round on the meaty portion of shoulder, keeping the upper body straight.
- c. Properly grasped the sight with both hands.
- d. Rotated head and aligned right eye in the eye guard. Pushed head forward.
- e. Pulled elbows in and backward, and tried to touch them together on the chest. Removed slack from the bipod.

2. Standing supported.

- a. Stood with legs spread comfortably apart and straight, but not locked.
- b. Leaned forward. Rested the abdomen against the edge of the fighting position.
- c. Placed Dragon on the meaty part of the shoulder. (Placed bipod legs far forward.)
- d. Placed hands as for the sitting position.
- e. Rotated head and right eye as in the sitting position.
- f. Removed slack from the bipod. Pulled down and back. Tried to touch the elbows and drive them into the chest. If there was slack in the bipod, straightened the back slightly.

3. Kneeling position.

a. Kneeled with knees spread comfortably apart.

GO	NO-GO	NO-GO	NO-GO

Performance Measures GO NO-GO NO-GO NO-GO b. Placed the bipod well out in front and removed slack from the bipod by rocking backward. Tried to sit on heels. c. Rotated head and right eye as in the sitting position.

d. Placed hand and elbows the same as in

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the sitting position.

INSTRUCTOR'S SIGNA	TURE:		
STUDENT'S INITIALS:	GO		
	NO-GO		
	NO-GO		
	NO-GO		

TRAINING OBJECTIVE 5 DETERMINE IF TARGETS ARE ENGAGEABLE

Conditions. Given a Dragon sight mated to a round of ammunition and targets (scale or actual targets).

Standards. Correctly determine if three targets are in range and engageable.

Evaluation Preparation.

Brief student. "To your front are armored vehicles at varying (simulated) ranges. When I say 'Begin,' determine whether the targets are in range. Then you must accurately determine the engageability of all three targets. Do you have any questions?"

Answer the student's questions. If the student still does not understand, say, "Do the best you can."

Performance Measures GO NO-GO NO-GO NO-GO Determine if the target is— In range or out of range, engageable or not. Target Number 1, ____, _ In range or out of range, engageable or not. Target Number 2, ____, ____. In range or out of range, engageable 3. or not. Target Number 3, ____, ____.

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INSTRUCTOR'S SIGNA	TURE:		
STUDENT'S INITIALS:	GO		
	NO-GO		
	NO-GO		
	NO-GO		

TRAINING OBJECTIVE 6 PERFORM IMMEDIATE-ACTION PROCEDURES

Conditions. Given a malfunctioning Dragon sight mated to a Dragon round.

Standards. Perform the proper immediate-action procedures for hot and cold sight batteries.

Evaluation Preparation.

Brief student. "When I say 'Begin,' perform immediate-action procedures for the Dragon. Do you have any questions?"

Answer the student's questions. If the student still does not understand, say, "Do the best you can."

Performance Measures

1. Hot sight battery.

- a. Tried and failed to fire.
- b. Immediately resqueezed the trigger for 15 seconds.
- c. Announced "Misfire" if round still did not fire.
- d. Turned, cautiously felt near the sight battery, and found it to be hot.
- e. Removed the sight and placed the round a safe distance away.
- f. Obtained a new round and mated the sight to it.
- g. Acquired the target, said, "I am continuing my mission" or squeezed the trigger.
 - h. Squeezed the trigger.

2. Cold sight battery.

- a. Tried and failed to fire.
- b. Immediately resqueezed the trigger for 15 seconds.
- c. Announced "Misfire" if round still did not fire

GO	NO-GO	NO-GO	NO-GO

Performance Measures

- c. Turned, cautiously felt near the sight battery, and found it to be cold.
- d. Released the sight and moved it forward; reseated the sight on the round.
- e. Acquired the target, said, "I am continuing my mission" or squeezed the trigger.
- f. When sight again failed to fire, rechecked battery, which was still cold.
- g. Removed sight; placed round a safe distance away.
- h. Got a new round and said, "I will continue the mission."
- i. When round again failed to fire, rechecked battery, which was still cold.
 - j. Replaced the sight.

NO-GO NO-GO NO-GO

GO

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INSTRUCTOR'S SIGNA	TURE:		
STUDENT'S INITIALS:	GO		
	NO-GO		
	NO-GO		
	NO-GO		

TRAINING OBJECTIVE 7 PREPARE AN ANTIARMOR RANGE CARD

Conditions. Given the standard range card and squad leader's briefing containing all pertinent data.

Standards. Within 15 minutes, complete the antiarmor range card. Include all data from the squad leader's briefing, marginal data, a scaled-down sketch of the terrain, and the data section.

Evaluation Preparation.

Brief student. "When I say 'Begin,' you will have 15 minutes to complete the antiarmor range card, including the data section and terrain sketch. Do you have any questions?"

Answer the student's questions. If the student still does not understand, say, "Do the best you can."

Performance Measures			GO	NO-GO	NO-GO	NO-GO
	1.	Marginal information.a. Unit designation.b. Magnetic north.				
	2.	Terrain sketch. a. Left limit. b. Right limit. c. Maximum engagement line. d. Terrain features. e. Dead space. f. Target reference point(s). g. Gunner reference point.				
	3.	Data section. a. Position. b. Date. c. Weapon symbol. d. Meter increments. e. Item numbers. f. Direction. g. Range. h. Description. i. Remarks.				
Signatu	4. re l	Two copies of the range card.				
oignatu		TRUCTOR'S SIGNATURE:				
	STU	JDENT'S INITIALS: GO				
		NO-GO				
		NO-GO				
		NO-GO				

TRAINING OBJECTIVE 8 IDENTIFY THE SIX MAJOR COMPONENTS OF AN M47 FIGHTING POSITION

Conditions. Given a predrawn fighting position.

Standards. Within 10 minutes, correctly label the six main components of a fighting position.

Evaluation Preparation.

Brief student. "When I say 'Begin,' you will have 10 minutes to draw and label the six main components of a Dragon fighting position, IAW the instructions given in the respective performance measure. Do you have any questions?"

Answer the student's questions. If the student still does not understand, say, "Do the best you can."

Performance Measures	GO	NO-GO	NO-GO	NO-GO
 Trench. a. Three M16s long, shaped like an inverted "V." b. Waist deep. c. Waist wide plus 6 inches. 				
2. Front parapet.a. One M16 long.b. One M16 wide.c. Two helmets high.				
 3. Flank parapet. a. One M16 wide. b. Two helmets high. c. Long enough to provide good flank protection. 				
 4. Bipod trench. a. Two helmets long. b. One helmet wide. c. Six inches deep (one bayonet blade). 				
 5. Grenade sump. a. One entrenching tool-length long. b. One entrenching tool-length deep. c. One entrenching tool-blade wide. 				
6. Overhead cover.a. Each end of the trench.b. Dug 12 inches deep.c. Eighteen inches longer than the side of				
the trench. d. Three feet wide. e. The hole under the overhead cover is large enough for one student and extra				

ammunition.

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INSTRUCTOR'S SIGNA	ATURE:							
STUDENT'S INITIALS:	GO							
	NO-GO							
	NO-GO							
	NO-GO							
	IDEN	TRAININ				:S		
Conditions. In a garrison or simulated tactical set (FHT), prepared for firm	tting, a		-					
Standards. Within two	minute	s, recogni	ze 10 oı	ut of 10) vehic	les as frie	endly or e	nemy.
Evaluation Preparation	n.							
Setup. The basic multiple views or that every student any four friendly Brief student. "I must state whether	f 30 fri t should armor will sh er the	iendly and d know. Sh red vehicle low you ea vehicle is	l enemy now each es. Show ach pict friendly	armor h stude y each ure for or ene	ed veh nt the p picture 10 sec emy."	icles. The pictures of for 10 se conds. Du	ese are the any six econds.	e vehicles nemy and time, you
Answer the stude best you can."	nt's qu	estions. If	the stuc	lent sti	ll does	not under	stand, say	, "Do the
Performance Measures	5				GO	NO-GO	NO-GO	NO-GO
Recognized 10 o friendly or enem		armored v	vehicles	as				
Signature Block								
INSTRUCTOR'S SIGNA	ATURE:							
STUDENT'S INITIALS:	GO							
	NO-GO							
	NO-GO							
	NO-GO							

TRAINING OBJECTIVE 10 EXPLAIN EMERGENCY DESTRUCTION PROCEDURES

Conditions. Given a simulated situation in which capture is imminent, and the order to destroy the sight and rounds of ammunition.

Standards. Explain how to destroy Dragon components and ammunition.

Evaluation Preparation.

Brief student. "When I say 'begin,' you must explain emergency destruction procedures for a Dragon. Do you have any questions?"

Answer the student's questions. If the student still does not understand, say, "Do the best you can."

Performance Measures	GO	NO-GO	NO-GO	NO-GO
NOTE: Destruction priority: First the sight, then the round.				
 Sight. a. Destroyed sight by mechanical means. Used an entrenching tool, axe, sledgehammer, or other appropriate item. b. Destroyed by gunfire. c. Destroyed by burning. Used flammable material or gasoline. d. Destroyed by exploding. Used a double-primed explosive charge. 				
 2. Round. Destroyed a round of ammunition by either— a. Burning it. Used flammable material, thermite grenade, or gasoline. b. Exploding it. Used a double-primed explosive charge. (Squad leader will prepare explosives.) c. Launching it. Fired the missile, then drove over and crushed the expelled launcher. 				

INSTRUCTOR'S SIGNA	ATURE:		
STUDENT'S INITIALS:	GO		
	NO-GO		
	NO-GO		
	NO-GO		

TRAINING OBJECTIVE 11 EXPLAIN EMERGENCY DECONTAMINATION PROCEDURES

Conditions. Given the Dragon sights and a round of ammunition (for all tasks, use the FHT instead of an actual round), M8 paper, M256 detector kit, M258A1 kit, hot, soapy water, lens tissue, camel's-hair brush, and ethyl alcohol.

Standards. Correctly explain the decontamination procedures for the Dragon sights and round of ammunition.

Evaluation Preparation.

Brief student. "When I say 'Begin,' you will correctly explain how to decontaminate the Dragon sights and a round of ammunition. Do you have any questions?"

Answer the student's questions. If the student still does not understand, say, "Do the best you can."

Instructor's Note. Decide whether the Dragon needs immediate decontamination. If the gunner is already wearing MOPP4 and the threat is imminent, decontamination must be postponed. If trainers plan to displace the gunner to a noncontaminated area, you must decide whether to fire the missile immediately or try to decontaminate it for transport. (Inform the student of the type of decontamination: nuclear, chemical, or biological.)

Performance Measures	GO	NO-GO	NO-GO	NO-GO
 Nuclear decontamination. a. Thoroughly brushed clothing and equipment to remove fallout (away from the position). b. Turned over the soil in the immediate area around the position. c. Verified decontamination with the AN/PDR-27 radiacmeter. 				
 2. Biological decontamination. a. Washed the Dragon with warm, soapy water. b. Dried the Dragon. c. Used normal cleaning procedures for the lenses. 				
 3. Chemical decontamination. a. Checked with the M256 detector kit. b. Checked with M8 paper. c. Removed or blotted excess agent from all components. d. Left Dragon exposed to air and sun. e. Used hot, soapy water (if available). 				

Did not submerge the Dragon or sight.

Performance Measures

- f. Used the M258A1 kit on parts the gunner needed to touch or that touched the gunner.
- g. Used normal cleaning procedures for the lenses.

GO	NO-GO	NO-GO	NO-GO

INSTRUCTOR'S SIGNA	TURE:		
STUDENT'S INITIALS:	GO		
	NO-GO		
	NO-GO		
	NO-GO		